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|--|---|----|---|------------------------|----------------------|
| Substitute for form 1449A/PTO  |   |    |   | Application Number     | 10/790,640           |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |   |    |   | Filing Date            | 03-01-2004           |
|  |   |    |   | First Named Inventor   | Michael D. West      |
|  |   |    |   | Group Art Unit         | 1632                 |
|  |   |    |   | Confirmation No.       | 9766                 |
|  |   |    |   | Examiner Name          | Valarie E. Bertoglio |
| Sheet  | 1 | of | 9 | Attorney Docket Number | 75820.026014         |

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|--------------------|----------|--|--------------------------------|--|---|
|                    |          | US- 5,648,215                                    | 07-15-1997                     | West, et al.                                       |   |
|                    |          | US- 5,840,495                                    | 11-24-1998                     | West, et al  |   |
|                    |          | US- 5,945,577                                    | 08-31-1999                     | Stice, et al.                                      |   |
|                    |          | US- 5,994,619                                    | 11-30-1999                     | Stice, et al.                                      |   |
|                    |          | US- 6,011,197                                    | 01-04-2000                     | Strelchenko, et al.                                |   |
|                    |          | US- 6,194,202                                    | 02-27-2001                     | Susko-Parrish, et al.                              |   |
|                    |          | US- 6,235,969                                    | 05-22-2001                     | Stice, et al.                                      |   |
|                    |          | US- 6,235,970                                    | 05-22-2001                     | Stice, et al.                                      |   |
|                    |          | US- 6,258,998                                    | 07-10-2001                     | Damiani, et al.                                    |   |

**FOREIGN PATENT DOCUMENTS**

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|                    |          | Country Code:           | Number - Kind Code<br>(if known) |                                |  |  | YES                      | NO                                  |
|                    |          | WO                      | 98/07841                         | 02-26-1998                     | University<br>Massachusetts                        |  | <input type="checkbox"/> | <input type="checkbox"/>            |
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**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

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|--------------------|----------|--|--------------------------|--------------------------|
|                    |          |  | YES                      | NO                       |
|                    |          | ABE, APMIS, 1997, 105:283-289  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | ALBANEI, J Natl. Cancer Inst., 1999, 19(15):1321-1326  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | ALLSHIRE, Nucleic Acids Research, 1989, 17:4611-4627   | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | ALLSOPP, Experimental Cell Research, 1995, 219:130-136   | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | ALLSOPP, Proc Natl Acad Sci USA, 1992, 89:10114-10118  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | ANDERSON, Animal Reprod. Sci., 1996, 45:231-240  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | BAGUISI, Nature Biotechnology, 1999, 17:456-461  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | BASSHAM, Molecular and Cellular Biology, 1998, 18:269-275  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | BETTS, Developmental Genetics, 1999, 25:397-403  | <input type="checkbox"/> | <input type="checkbox"/> |
|                    |          | BETTS, Proc Natl Acad Sci Usa, 2001, 98:1077-1082  | <input type="checkbox"/> | <input type="checkbox"/> |

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|--------------------|----------|---|--------------------------------|--|---|--------------------------|
|                    |          | BETTS, Mol. Reprod. Dev., 2005, 72(4):461-470                             |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | BIRMINGHAM, J Clin Invest, 2003, 112(11): 1600–1601                       |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | BODNAR, Science, 1998, 279:349-352  |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | BONDIOLI, Molecular Reproduction and Development, 1993, 36:274-275        |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | BOQUEST, Biol Reprod, 2002, 66(5):1283-7                                  |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | BYRNE, Nature, 2007, 450(7169):497-502                                    |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | CAMPBELL, Nature, 1996, 380:64-66   |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | CHOMCZYNSKI, Analytical Biochemistry, 1987, 162:156-159                   |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | CIBELLI, Nature Biotech., 1998, 16:642-646                                |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | CRISTOFALO, Annals of the New York Academy of Sciences, 1992, 663:187-194 |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | CRISTOFALO, Experimental Cell Research, 1973, 76:419-427                  |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |
|                    |          | CRISTOFALO, Experimental Gerontology, 1996, 31(1-2):111-123               |                                |  | <input type="checkbox"/>  | <input type="checkbox"/> |

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|--------------------|----------|--|--------------------------------|--|---|
|                    |          | CRISTOFALO, Physiological Reviews, 1993, 73:617-638        |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | CUDRE-MAUROUX, Hum Gene Ther., 2003, 14(16):1525-33        |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | de LANGE, Science, 1999, 283:947-949                       |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | DIMRI, Proc. Natl. Acad Sci USA, 1995, 92:9363-9367        |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | DIPAOLO, Experimental Cell Research, 1995, 220:178-185     |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | FOLGER, Mol Cell Biol. 1982, 2(11):1372-87                 |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | FRENCH, Stem Cells, 2008, 26(2):485-93                     |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | GORMAN, Experimental Cell Research, 1986, 167:87-94        |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | HARLEY, Nature, 1990, 345:458-460                          |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | HAYFLICK, Experimental Cell Research, 1961, 24:585-621     |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | HAYFLICK, Experimental Cell Research, 1965, 37:614-636     |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | HILL, Theriogenology, 1999, 51:1451-1465                   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | HOWELL-SKALLA, Society for the Study of Reproduction, 1997 |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |

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| <b>Examiner Name</b>        | Valarie E. Bertoglio |

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|--------------------|----------|--|--------------------------------|--|---|
|                    |          | ITOH, Theriogenology, 1998, 49 (1):322               |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | JEON, Mol Reprod Dev, 2005, 71:315-320               |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | JIANG, Biology Of Reproduction, 2004, 70:589–1593    |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | KATO, Science, 1998, 282(5396):2095-2098             |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | KIYONO, Nature, 1998, 396:84-88                      |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | KISHIGAMI, Exp. Cell Res., 2008, 314(9):1945-1950    |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | KUBOTA, PNAS, 2000, 97:990-995                       |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | LANZA, Nature Biotechnology, 1999, 17:1171-1174      |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | LANZA, Nature Medicine, 1999, 5:975-977              |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | LANZA, Science, 2003, 301, 1482b                     |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | LEVY, J Mol. Biol., 1992, 225:951-960                |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | LIPETZ, J Ultrastructure Research, 1972, 39(1):43-56 |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | LIU, Nature Biotech., 2000, 18(2):223-5              |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |

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|--------------------|----------|---|--------------------------------|--|---|
|                    |          | MARTIN, Proc Natl Acad Sci USA, 1981, 78:7634-7638                                  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MATSUNAGA, Invest Ophthalmol Vis Sci., 1999, 40(1):197-202                          |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MEIRELLES, Genetics, 2001, 158(1):351-356   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MENG, Biology of Reproduction, 1997, 57:454-459                                     |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MITALIPOV, Methods in Mol. Bio., 2006, 348:151-168                                  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MITALIPOV, Hum Reprod., 2007, 22(8):2232-42   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MITALIPOV, Biol. Reprod., 1999, 60(4):821-7   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MITALIPOV, Biol. Reprod., 2001, 65(1):253-9   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MIYASHITA, Biol Reprod., 2002, 66(6):1649-1655                                      |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | MONDELLO, Experimental Cell Research, 1997, 236: 385-396                            |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | OFFICE ACTION mailed August 20, 2010 in Japanese patent application no. 2001-521771 |                                |  | <input type="checkbox"/> <input checked="" type="checkbox"/>                    |
|                    |          | PATIL, Mechanisms of Ageing and Dev, 2005, 126:1040-1045                            |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | PICKNELL, National Geographic New, 2003   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |

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|                    |          | PHINNEY, Oncogene, 1994, 9:2353-2362  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | PIGNOLO, Experimental Gerontogly, 1998, 33:67-80  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | PIGNOLO, The Journal of Biological Chemistry, 1993, 268:8949-8957                       |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | RENARD, Lancet, 1999, 353:1489:1491   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | RUFER, Nature Biotechnology, 1998, 16(8):743-747  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | RUFER, J. Exp. Med., 1999, 190:157-167  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SAWAI, Hokkaido Animal Science and Agriculture Society Report, 1999, Vol. 41, pg. 23-49 |                                |  | <input type="checkbox"/> <input checked="" type="checkbox"/>                    |
|                    |          | SCHAETZLEIN, Proc Natl Acad Sci USA, 2004, 101:8034-8038                                |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SCHATTEN, Science, 2003, Vol. 301, pg 1482c   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SHI, Biol. Reprod., 2003, 69(1):301-309   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SHIELS, Nature, 1999, 399(6734):316-317   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SIMERLY, Dev Biology, 2004, 276(2):237-252  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SIMERLY, Science, 2003, 300(5617):297   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SIMS, Proc Natl Acad Sci USA, 1994, 91(13):6143-7                                       |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |

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|                    |          | SMITH, Science, 1980, 207(4426):82-84  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | SUHR, PloS One, 2009:4(12), e8124  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | TAKEDA, Society for the study of reproduction, Vol. 56, Supp. 1, chap. 89, abstract  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | THOMSON, APMIS., 1998, 106:149-157   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | THOMSON, Proc Natl Acad Sci USA, 1995, 92:7844-7848                                  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | THOMSON, Science, 1998, 282:1145-1147  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | TIAN, Nature Genetics, 2000, 26:272-273  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | van der VEN, <i>Primary Mesenchymal Cells</i> , Kluwer Academic Publishers, 2001, 73 |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | VAZIRI, Current Biology, 1998, 8(5):279-282  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | VAZIRI, EMBO Journal, 1997, 16(19):6018-6033   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | VOGEL, Science, 2003, 300(5617):225-227  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WAKAYAMA, Nature, 1998, 394:369-374  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WAKAYAMA, Nature, 2000, 407(6802):318-319  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |

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|---|-----------------|
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| Application Number     | 10/790,640           |
| Filing Date            | 03-01-2004           |
| First Named Inventor   | Michael D. West      |
| Group Art Unit         | 1632                 |
| Confirmation No.       | 9766                 |
| Examiner Name          | Valarie E. Bertoglio |
| Sheet                  | 9                    |
| of                     | 9                    |
| Attorney Docket Number | 75820.026014         |

**U.S. PATENT DOCUMENTS**

| *Examiner Initials | Cite No. | DOCUMENT NUMBER<br>Number - Kind Code (if known)                                    | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear |
|--------------------|----------|---|--------------------------------|--|---|
|                    |          | WEST, Arch Dermatol., 1994, 130(1):87-95  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WEST, Experimental Cell Research, 1989, 184:138-147                                 |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WEST, Experimental Gerontology, 1996, 31:174-193                                    |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WILLIAMS, <i>Endothelial Cell Culture</i> , Cambridge University Press, 1996, 97-99 |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WILMUT, Nature, 1997, 385:810-813   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WILMUT, Nature, 2007, 450(7169):485-486   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WOLF, J Biotechnol, 1998, 65(2-3):99-110  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | WRIGHT, Dev Genet, 1996, 18:173-179   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | XIAO, J Virol., 1999, 73(5):3994-4003   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | YANG, Cloning, 2000, 2(3):123-128   |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | YANG, Nature Gen., 2007, 39(3):295-302  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | ZAKHARTCHENKO, J. Reprod. Fert., 1999, 115:325-331                                  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |
|                    |          | ZAWADA, Nature Publishing, 1998, 4:569-574  |                                |  | <input type="checkbox"/> <input type="checkbox"/>                               |

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